

Converting Colors

YIQ(157.8900, -67.3960,
-12.0680)

Have a look what the booklet for
YIQ(157.8900, -67.3960, -12.0680)
contains.

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Color

**YIQ(157.8900, -67.3960,
-12.0680)**

Conversions

Conversions Part 1

Format	Color
Hex	56B8D4
RGB	86, 184, 212
RGB Percent	34%, 72%, 83%
CMY	0.6629, 0.2783, 0.1689
CMYK	0.59, 0.13, 0.00, 0.17
HSL	193°, 59%, 58%
HSV	193°, 59%, 83%
XYZ	32.8561, 41.0237, 68.4253
YIQ	157.8900, -67.3960, -12.0680

Conversions

Conversions Part 2

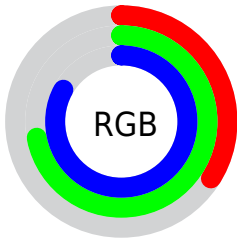
Format	Color
R_{YB}	86, 141, 212
Decimal	5683412
CIE _{Lab}	70.19, -20.61, -22.70
CIE _{LCh}	70, 30.661, 227.766
Yxy	41.0237, 0.2309, 0.2883
Android (android.graphics.Color)	4283873492 (0xFF56B8D4)
YUV	157.8900, 26.6762, -63.0475
Hunter-Lab	64.0497, -20.5205, -18.5055

Details

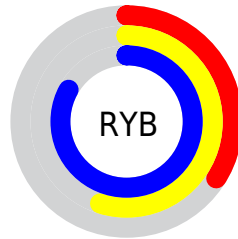
The YIQ color **157.8900, -67.3960, -12.0680** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **140.1100, 67.3960, 12.0680**, and the grayscale version is **158.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **213.6040, -60.8390, -15.2630**, and **94.7950, -86.4220, -19.6860** is the 20% darker color. If you saturate the color by 10%, you get **148.6760, -78.5370, -13.9050**, and if you desaturate by 10%, it is **167.1040, -56.2550, -10.2310**.

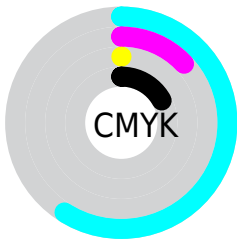
Distribution



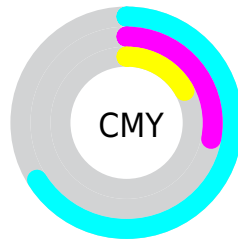
- Red (34%)
- Green (72%)
- Blue (83%)



- Red (34%)
- Yellow (55%)
- Blue (83%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)
- Black (17%)



- Cyan (66%)
- Magenta (28%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 157.8900, -67.3960, -12.0680 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 157.8900, -67.3960, -12.0680 by changing the saturation by 10% instead.

■ 157.8900,
-67.3960, -12.0680

■ 157.8900,
-67.3960, -12.0680

■ 255.0000, -0.0000,
-0.0000

■ 128.6830,
-71.2470, -13.8630

■ 213.6040,
-60.8390, -15.2630

■ 94.7950, -86.4220,
-19.6860

■ 231.0800,
-47.6800, -16.9600

■ 77.1560, -71.2010,
-14.6970

■ 240.0500,
-29.8000, -10.6000

■ 59.6310, -56.3010,
-9.3970

■ 249.0200,
-11.9200, -4.2400

■ 43.3940, -42.2720,
-4.8320

■ 27.7440, -28.5180,
-0.7900

■ 6.5660, -12.9770,

9.4150

■ 2.1830, -4.7690,
3.8310

■ 0.0000, 0.0000,
0.0000

■ 157.8900,
-67.3960, -12.0680

■ 157.8900,
-67.3960, -12.0680

■ 148.6760,
-78.5370, -13.9050

■ 167.1040,
-56.2550, -10.2310

■ 140.0490,
-89.9530, -16.2650

■ 175.7310,
-44.8390, -7.8710

■ 130.5360,
-101.6900, -18.3140

■ 185.2440,
-33.1020, -5.8220

■ 121.3220,
-112.8310, -20.1510

■ 194.4580,
-21.9610, -3.9850

■ 121.0230,
-113.4270, -20.3630

■ 203.0850,
-10.5450, -1.6250

■ 212.2990, 0.5960,
0.2120

■ 221.5130, 11.7370,
2.0490

■ 230.7270, 22.8780,
3.8860

■ 233.0750, 21.7780,
1.7940

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



156.6160, -61.1130, -21.3130



157.8900, -67.3960, -12.0680



165.4180, -50.8470, 1.8970

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



157.8900, -67.3960, -12.0680



175.6810, 29.6600, 24.1560



168.2030, 17.7010, -17.9390

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



157.8900, -67.3960, -12.0680



140.1100, 67.3960, 12.0680

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



170.8790, 36.5890, -7.8190



157.8900, -67.3960, -12.0680



174.2940, 43.6910, 17.6670

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



157.8900, -67.3960, -12.0680



175.7630, 6.0020, 23.3940



173.2860, 46.1690, 5.7930



164.7530, -7.5150, -23.5070

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



157.8900, -67.3960, -12.0680



170.3820, -32.8300, 11.2820



173.2860, 46.1690, 5.7930



169.2040, 25.1280, -14.8720

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



157.8900, -67.3960, -12.0680



235.3760, -24.6660, -4.5220



163.0400, -43.3170, -57.5010



115.2200, -15.3590, -2.4870



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



157.8900, -67.3960, -12.0680



177.4010, -96.8760, -17.4520



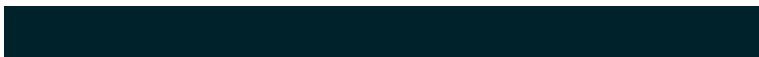
121.4960, -50.3460, 20.3580



102.5370, -6.0060, -1.2860



97.5650, -91.4660, -16.3780



24.8600, -23.1530, -4.4090

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



134.8460, 43.6380, 57.1900



144.1930, 62.6150, 82.2230



176.5040, 50.3460, -20.3580



100.3150, 3.6670, 5.1310



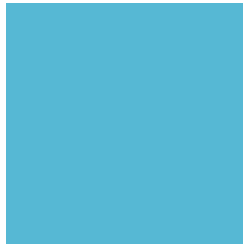
66.2910, 59.2230, 77.6150



16.7330, 14.7140, 19.6900

Previews

White Background



This preview shows how the YIQ color 157.8900, -67.3960, -12.0680 looks on a white background.

Color Contrast Check

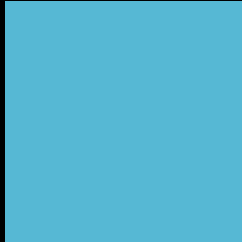
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 157.8900, -67.3960, -12.0680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

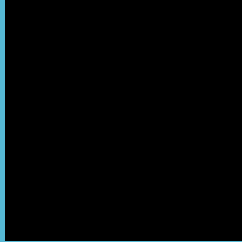
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 157.8900, -67.3960, -12.0680 Background



This preview shows how black text looks on a background with the YIQ color 157.8900, -67.3960, -12.0680.



This preview shows how white text looks on a background with the YIQ color 157.8900, -67.3960, -12.0680.

-12.0680.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

157.8900, -67.3960, -12.0680

Protanopia

171.2670, -13.5730, 9.2030

Deuteranopia

171.6890, -17.5170, 14.6030



Tritanopia

156.3150, -67.3950, -17.5950

Trichromacy



Original Color

157.8900, -67.3960, -12.0680

Protanomaly

166.2860, -32.9200, 1.8960

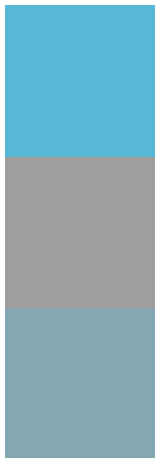
Deuteranomaly

166.7250, -35.5340, 5.2180

Tritanomaly

156.7820, -67.2120, -15.4040

Monochromacy



Original Color

157.8900, -67.3960, -12.0680

Achromatopsia

158.0000, -0.0000, 0.0000

Achromatomaly

157.7890, -24.3910, -3.9990

CSS Examples

Text

The CSS property to change the color of the text to YIQ 157.8900, -67.3960, -12.0680 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(86, 184, 212)` looks like.

```
.text, #text, p{  
    color:rgb(86, 184, 212)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(86, 184, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 184, 212) }
```

Border

The CSS property to change the border of an element to YIQ 157.8900, -67.3960, -12.0680 is called "border".

The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 184, 212) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(86, 184, 212) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(86, 184, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 184, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 184, 212);  
box-shadow:4px 4px 4px 4px rgb(86, 184,  
212) }
```

Background

The CSS property to change the background color of an element to YIQ 157.8900, -67.3960, -12.0680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 184, 212) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(86, 184,  
212) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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